REMARKS

Claims 1-5 stand rejected under 35 U.S.C 102(b) as being anticipated by Takahashi et al. (US 5,822,144). Applicant respectfully traverses this rejection because the Takahashi reference is drawn toward a head positioning system which uses a set correction value obtained prior to operation of the device, whereas the present invention is drawn toward a head positioning control method which sets the correction value according to the actual moving speed of the head itself.

Takahashi discloses a correction method of position signals N and Q, which are influenced by the position sensitivity of the head. The device according to Takahashi measures three point values X, Y, and Z of position signals N and Q before and after reversing the magnitudes of the position signals while performing a seek operation at a constant speed. The apparatus than calculates a cross-point value C of the position signals and sets the correction value to correct the position signals. In other words, both the correction value and the moving speed disclosed by Takahashi are fixed. (See col. 9, line 49, through col. 10, line 40).

In contrast, the present invention features a calculation of a correction value which is based on the moving speed of the head itself. In other words, the present invention features a correction method which is capable of correcting the demodulation signal during the operation of the device itself, whereas Takahashi teaches to set the correction value of the demodulated signal prior to operation of the device. For at least these reasons, the Section 102 of the present invention based on Takahashi is respectfully traversed.

Furthermore, in the interest of expediting prosecution, Applicant has amended the independent claims of the present invention to clarify the features described above. More specifically, independent claim 1 has been amended to specifically recite a step of detecting the moving speed of the head based on the position signal read by the head. As discussed above, Takahashi teaches a constant speed of the head only, with respect to the correction values. Additionally, independent claims 6 and 11 have been similarly amended to recite that the control circuit detects the moving speed of the head based on the position signal read by the head. The Examiner has not asserted that Takahashi teaches or suggest any such features, and therefore Applicant respectfully traverses for these additional reasons as well.

For all of the foregoing reasons, Applicant submits that this Application, including claims 1-15, is in condition for allowance, which is respectfully requested. The Examiner is invited to contact the undersigned attorney if an interview would expedite prosecution.

Respectfully submitted,

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August 8, 2003

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